


Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(modif\$2 adj4 filter adj4 taps adj4 based\$2 adj4 data adj4 rate\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 10:36
L2	4	(modif\$2 adj4 filter adj4 taps)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 10:35
L3	7	(modif\$4 adj4 filter\$4 adj4 taps\$4)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 10:35
L4	5	(filter adj4 taps adj4 based\$2 adj4 data\$4 adj4 rate\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 12:30
L5	5	(filter\$4 adj4 taps\$4 adj4 based\$2 adj4 data\$4 adj4 rate\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 12:28
L6	1	(mean\$4 adj4 square\$4 adj4 error\$2 adj4 echo\$4 adj4 canceler\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:08
L7	5	(echo adj2 canceller\$2 adj2 filter adj2 rate)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 10:49
L8	1216	(meansquare\$4 adj4 error\$4 adj4 redu\$4 echo\$4 adj4 canceler\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:09
L9	4731	(echo\$4 adj4 cancel\$4 meansquare\$4 adj4 error\$4 adj4 redu\$4)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:10
L10	881	(370/286,282).ccls.	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:11
L11	369	9 and 10	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:11
L12	120	8 and 10	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:12
L13	346	(echo\$2 adj2 canceller\$2 adj2 filter\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:27
L14	46	11 and 13	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:27
L15	488	(rate\$2 same echo same cancel\$4 same filter)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 12:33

L16	423	9 and 15	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 12:33
L17	58	10 and 15	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 13:40
L18	19	17 and 14	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 13:40
L19	530	(echo adj2 cancel\$4 adj2 filter)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:38
L20	679	(plural\$4 adj2 data\$4 adj2 rate\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:41
L21	2	19 and 20	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:41
L22	97537	(data\$4 adj2 rate\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:41
L23	159	19 and 22	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:42
L24	16	10 and 23	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:55
L25	19140	filter same (length tap) same (rate)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:58
L26	491	25 and (echo with cancella\$)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:57
L27	634	25 and (echo with cancel\$)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:57
L28	198	25 same (echo with cancel\$)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 14:57
L29	137	25 same (echo with cancel\$)	USPAT	OR	ON	2005/11/30 14:58
L30	1821	filter same (length tap) same (data with rate)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 15:49
L31	25	30 same (echo with cancel\$)	USPAT	OR	ON	2005/11/30 15:50
L32	138	(adjust\$ modif\$) same (filter) same (tap length) same (data with rate)	USPAT	OR	ON	2005/11/30 15:02
L33	12	32 and (echo with cancel\$)	USPAT	OR	ON	2005/11/30 15:02

L34	1940	filter same (temporal length tap) same (data with rate)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 15:51
L35	25	34 same (echo with cancel\$)	USPAT	OR	ON	2005/11/30 15:51
L36	1940	filter same (temporal length tap) same (data with rate)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 15:51
L37	45	36 same (echo with cancel\$)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/11/30 15:52
S1	881	(370/286,282).ccls.	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:11

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(modif\$2 adj4 filter adj4 taps adj4 based\$2 adj4 data adj4 rate\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 10:36
L2	4	(modif\$2 adj4 filter adj4 taps) <i>modify filter taps</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 10:35
L3	7	(modif\$4 adj4 filter\$4 adj4 taps\$4) <i>modify filter taps</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 10:35
L4	5	(filter adj4 taps adj4 based\$2 adj4 data\$4 adj4 rate\$2) <i>filter taps based data rate</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 12:30
L5	5	(filter\$4 adj4 taps\$4 adj4 based\$2 adj4 data\$4 adj4 rate\$2) <i>filter taps based data rate.</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 12:28
L6	1	(mean\$4 adj4 square\$4 adj4 error\$2 adj4 echo\$4 adj4 canceler\$2) <i>mean square error echo canceler</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:08
L7	5	(echo adj2 canceller\$2 adj2 filter adj2 rate) <i>echo canceler filter rate.</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 10:49
L8	1216	(meansquare\$4 adj4 error\$4 adj4 redu\$4 echo\$4 adj4 canceler\$2) <i>meansquare error reduction echo canceler.</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:09
L9	4731	(echo\$4 adj4 cancel\$4 meansquare\$4 adj4 error\$4 adj4 redu\$4) <i>echo canceler meansquare error reduction</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:10
L10	881	(370/286,282).ccls.	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:11
L11	369	9 and 10 <i>class 2 'echo canceler mean square error reduction'</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:11
L12	120	8 and 10 <i>class 2 'mean square error reduction'</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:12
L13	346	(echo\$2 adj2 canceller\$2 adj2 filter\$2) <i>echo canceler filter</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:27
L14	46	11 and 13 <i>class 2 'echo canceler mean square error reduction, & echo canceler filter.'</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:27
L15	488	(rate\$2 same echo same cancel\$4 same filter) <i>rate echo canceler filter</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 12:33

L16	423	9 and 15	<i>Echo canceler mean square error reduction and rate echo canceler filter</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 12:33
L17	58	10 and 15	<i>Class 2 rate echo canceler filter</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 13:40
L18	19	17 and 14	<i>Class 2 rate echo canceler filter and Class 2 echo canceler mean square error reduction & echo canceler filter</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 13:40
S1	881	(370/286,282).ccls.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:11
S2	76275	"379"/\$6.ccls.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 14:45
S4	346	(echo\$2 adj2 canceller\$2 adj2 filter\$2)	<i>echo canceler filter.</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:26
S6	342	(echo adj2 canceller adj2 filter)	<i>echo canceler filter</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 11:37
S7	9	(echo adj2 channel adj2 model)	<i>echo channel model</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:31
S8	1	"5363321".pn.	 ID3	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:34
S9	1	"5524089".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:35
S10	1	"5570310".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:36
S11	1	"5600581".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:36
S12	1	"5604691".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:37
S13	1	"5642305".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:37
S14	1	"5709801".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:38

S15	1	"5703801".pn.	IDS.	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:38
S16	1	"5909384".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:39
S17	1	"5940312".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:40
S18	1	"5941939".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:55
S19	1	"5653234".pn.	Sub IDS Ref	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:59
S20	1	"5553014".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 12:57
S21	1	"5535150".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 13:00
S22	1	"5473686".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 13:01
S23	1	"4995030".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 13:01
S24	1	"4935919".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 13:02
S25	1	"4823382".pn.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 13:02
S26	1562	(370/286,282,201,289,290,291).ccls.	Class Search	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 14:44
S27	2075	(375/222,221).ccls.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 14:45
S28	2075	(375/222,221).ccls.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 14:45
S29	76275	"379"/\$6.ccls.		US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 14:46

S30	346	(echo\$2 adj2 canceller\$2 adj2 filter\$2) <i>echo canceller filter</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 11:25
S31	2691	(echo\$2 adj2 canceller\$2) <i>echo canceller</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:18
S32	5	<i>(echo adj2 canceller\$2 adj2 filter adj2 rate (5 variants))</i>	US-PGPUB; USPAT; USOCR; EPO			
S33	13	(echo adj2 canceller\$4 adj2 filter adj2 length) <i>echo canceller filter length</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 14:58
S34	679	(plural\$4 adj2 data\$4 adj2 rate) <i>plural data rate</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:24
S35	152	(reduce\$4 adj2 cpu\$4 adj2 time) <i>reduced capture time</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:17
S36	20	(polynomial\$4 adj2 fittin\$4 adj2 curve) <i>polynomial fitty curve</i>	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:54
S37	55	(fittin\$4 adj2 polynomial\$4 adj2 curve represent\$4 adj2 filter adj2 length)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:16
S38	1	(fittin\$4 adj2 polynomial\$4 adj2 curve adj2 represent\$4 adj2 filter adj2 length) → <i>afflict</i> ✓	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:06
S39	1	S26 and S37 → <i>afflict</i> ✓	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:17
S40	0	S27 and S37	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:17
S41	0	S28 and S37	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:17
S42	1	S29 and S37	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:17
S43	492	S26 and S31	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:19
S44	182	S27 and S31	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:19
S45	182	S28 and S31	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:19

S46	1087	S29 and S31	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:19
S47	0	S26 and S36	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:20
S48	0	S27 and S36	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:20
S49	0	S28 and S36	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:20
S50	0	S29 and S36	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 15:20
S54	3	S26 and S34	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:52
S55	679	(plural\$4 adj2 data\$4 adj2 rate\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:25
S56	3	S26 and S55	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:25
S57	97537	(data\$4 adj2 rate\$2)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:25
S58	324	S26 and S57	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:26
S59	1069	S27 and S57	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:26
S60	1069	S28 and S57	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:26
S61	2548	S29 and S57	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:27
S62	40	S58 and S59	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/30 10:32
S63	10	(echo adj2 canceller\$2 adj2 filter adj4 rate\$4)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:40

S64	10	(echo\$4 adj2 canceller\$2 adj2 filter\$4 adj4 rate\$4)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:41
S65	0	S36 and S58	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:52
S66	21	(polynomia\$4 adj2 fittin\$4 adj2 curve\$4)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:54
S67	0	S26 and S66	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:54
S68	0	S27 and S66	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:55
S69	0	S28 and S66	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:55
S70	0	S29 and S66	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/11/29 17:55